

Amendments To The Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application captioned above.

Listing Of Claims:

Please cancel, without prejudice, claims: 1, 3-10, 17, 19 and 23-26.

27. (Previously Presented) A method for the detection of multiple sclerosis comprising:

- a) providing:
 - i) a brain tissue sample, having a periplaque region, from a human suspected of having a demyelinating disease and
 - ii) transferrin;
- b) reacting, in vitro, said brain tissue sample with transferrin; and
- c) evaluating said periplaque region for binding with transferrin wherein a finding of transferrin binding, in said periplaque region, confirms the detection of multiple sclerosis in said brain tissue sample.